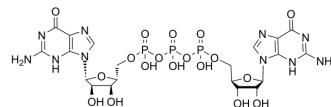


Diguanosine 5'-triphosphate

Cat. No.:	HY-139099
CAS No.:	6674-45-9
Molecular Formula:	C ₂₀ H ₂₇ N ₁₀ O ₁₈ P ₃
Molecular Weight:	788.41
Target:	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Diguanosine 5'-triphosphate (Gp3G) is a dinucleoside triphosphates. Diguanosine 5'-triphosphate also is a virus-specific oligonucleotide. Diguanosine 5'-triphosphate is needed for the synthesis of RNA during the transcription process^{[1][2]}.

REFERENCES

[1]. Emmanuel Klein, et al. Synthesis of enzymatically and chemically non-hydrolyzable analogues of dinucleoside triphosphates Ap(3)A and Gp(3)G. J Org Chem. 2002 Jan 11;67(1):146-53.

[2]. M Yamakawa, et al. Priming of reovirus transcription by GppppG and formation of CpG(5')GpC. Proc Natl Acad Sci U S A. 1982 Oct;79(20):6142-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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